

Input interpretation:

prochlorperazine

Chemical names and formulas:

|            |   |
|------------|---|
| formula    | $\text{C}_{20}\text{H}_{24}\text{ClN}_3\text{S}$            |
| name       | prochlorperazine  |
| IUPAC name | 2-chloro-10-[3-(4-methylpiperazin-1-yl)propyl]phenothiazine |

Basic properties:

|                         |   |
|-------------------------|---|
| <u>molecular weight</u> | <u>373.943 g/mol</u>                      |
| <u>phase</u>            | solid (at STP)                            |
| <u>melting point</u>    | <u>220 °C</u>                             |
| <u>boiling point</u>    | <u>229 °C</u> (measured at <u>70 Pa</u> ) |
| <u>solubility</u>       | insoluble in water                        |

